



005467

Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

SWA10A-6
Job Sheet 172740



Part No: SWA10A-6

Job Qty: 1 ea

Part Name: Electric Swivel 10,000 lb Safe Work Load (4,536 kg)



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 2/21/18

Job Tracking No:

Due Date: 4/27/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: SWA10A REV.3 IPP REV:A 18.02.20 NEW ISSUE DD VERF:DP

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea		4/26/18	0.00	0.00	Start Up Small Fab-2		
110	Small Fab	1 pcs		4/27/18	0.00	2.00	Small Fab-6		
120	QC	1 pcs		4/27/18	0.00	0.00	QC5		
130	Packaging	1 pcs		4/27/18	0.00	0.00	Packaging3		
140	QC21-FG	1 Ea		4/27/18	0.00	0.00	QC21		

Part Op 110 - Assemble as per DWG. Sheet 1 ***All assembly to be done in accordance with SWA10A swivel manual*** Engrave Descriptions: T/N And / or S/N number as required Using Marktronic engraver as per DWG. Laser engrave dart logo as per DWG.
130 - Bag and tag

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
188-FPSS-1032-1/2	Set Screw	1 Ea (1 ea)	90-Start up Operation	5037670
188-FSCS-1032-5/8	Wire Clamp Screw	4 Ea (4 ea)	110-Small Fab	5038328
600.1319	Up Decal	1 Ea (1 ea)	110-Small Fab	5037066
C10-28	Swivel Bushing, C10/SWA10	1 Ea (1 ea)	110-Small Fab	5045933
EL-PLUG-F	3-Prong Female Spade Plug	1 Ea (1 ea)	110-Small Fab	5039223
EL-PLUG-M	3-Prong Male Spade Plug	1 Ea (1 ea)	110-Small Fab	5097889
EL616-ARTIC	6 Wire	1 (1 ea)	110-Small Fab	5047770
SWA10A-110	Lower End	1 Ea (1 ea)	110-Small Fab	5083652
SWA10A-1100	Upper DU Bearing	1 Ea (1 ea)	110-Small Fab	5097839
SWA10A-1200	Lower DU Bearing	1 Ea (1 ea)	110-Small Fab	5062772
SWA10A-1300	Roller Thrust Bearing	1 Ea (1 ea)	110-Small Fab	5066115
SWA10A-1400	Circlip	1 Ea (1 ea)	110-Small Fab	5077643
SWA10A-1800	Cover	1 Ea (1 ea)	110-Small Fab	5099112
SWA10A-210	Upper End Swivel	1 Ea (1 ea)	110-Small Fab	5104111
SWA10A-300	Bearing Housing	1 Ea (1 ea)	110-Small Fab	5098673
SWA10A-400	Thrust Washer	1 Ea (1 ea)	110-Small Fab	5098218
SWA10A-500	Semi-Rings	1 Ea (1 ea)	110-Small Fab	5068691
SWA10A-600	Collar	1 Ea (1 ea)	110-Small Fab	5101406
SWA10A-700A	Wire Clamp	2 (2 ea)	110-Small Fab	5067645
SWA6A-1900	Female Spade Terminal - 1/4"	8 Ea (8 ea)	110-Small Fab	5047603
SWA6A-2000	1/8" Female Spade Connector	4 Ea (4 ea)	110-Small Fab	5093827
SWA6A-800CP	Connector Bushing	1 Ea (1 ea)	110-Small Fab	5029421
SWA6A-900D	Rotary Contact	1 (1 ea)	110-Small Fab	5049654

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table> <tr> <td>Skid-tube</td><td>☐</td> <td>Cross tube</td><td>☐</td> <td>Water Jet</td><td>☐</td> <td>Engineering</td><td>☐</td> </tr> <tr> <td>Machining</td><td>☐</td> <td>Small Fab</td><td>☐</td> <td>Prod. Eng. Coord.</td><td>☐</td> <td>Quality</td><td>☐</td> </tr> <tr> <td>Thermoforming</td><td>☐</td> <td>Finishing</td><td>☐</td> <td>Rec/Store/Packaging</td><td>☐</td> <td>Other</td><td>☐</td> </tr> <tr> <td>Large Fab</td><td>☐</td> <td>Composite</td><td>☐</td> <td>Supplier</td><td>☐</td> <td></td><td></td> </tr> </table>				Skid-tube	☐	Cross tube	☐	Water Jet	☐	Engineering	☐	Machining	☐	Small Fab	☐	Prod. Eng. Coord.	☐	Quality	☐	Thermoforming	☐	Finishing	☐	Rec/Store/Packaging	☐	Other	☐	Large Fab	☐	Composite	☐	Supplier	☐		
	Skid-tube	☐	Cross tube	☐	Water Jet	☐	Engineering	☐																														
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Date : _____ Step #: _____ QTY Effective : _____ MRB (QSI042) Approval _____

Description Work Order Deviation _____ Disposition _____

1270 Barden Street Newbury, ON K6A 1K7 Tel: 1-813-632-5200 Fax: 1-813-632-5200 Email: sales@dartaero.com www.dartaerospace.com Date: 08/27/10 Container No: S105317 Part: SWA10A - 6 Job No: 172740 Serial No/Batch: S105317 Revision: 3 Inspector: _____ Exp Date: _____ Instructions: _____	Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____	
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Root Cause <table> <tr><td>Environment</td><td>☐</td><td>No Re-verification</td><td>☐</td></tr> <tr><td>Design</td><td>☐</td><td>Operator</td><td>☐</td></tr> <tr><td>Doc/Data</td><td>☐</td><td>Offset/Setup</td><td>☐</td></tr> <tr><td>Equip/Tooling</td><td>☐</td><td>Supplier</td><td>☐</td></tr> <tr><td>Handling/Pre</td><td>☐</td><td>Training</td><td>☐</td></tr> <tr><td>Material</td><td>☐</td><td>Use for Testing</td><td>☐</td></tr> <tr><td>Internal Transport</td><td>☐</td><td>Poor Information</td><td>☐</td></tr> <tr><td>Tribal Knowledge</td><td>☐</td><td>Rushing</td><td>☐</td></tr> <tr><td>LOA</td><td>☐</td><td>Product Improvement</td><td>☐</td></tr> <tr><td>Substation</td><td>☐</td><td>Process Improvement</td><td>☐</td></tr> <tr><td>Past Expiry Date</td><td>☐</td><td>Manufacturing Process</td><td>☐</td></tr> <tr><td>Misidentified</td><td>☐</td><td>Past Due</td><td>☐</td></tr> </table>		Environment	☐	No Re-verification	☐	Design	☐	Operator	☐	Doc/Data	☐	Offset/Setup	☐	Equip/Tooling	☐	Supplier	☐	Handling/Pre	☐	Training	☐	Material	☐	Use for Testing	☐	Internal Transport	☐	Poor Information	☐	Tribal Knowledge	☐	Rushing	☐	LOA	☐	Product Improvement	☐	Substation	☐	Process Improvement	☐	Past Expiry Date	☐	Manufacturing Process	☐	Misidentified	☐	Past Due	☐	Press ☐ Bend ☐ Centr ☐ Crack ☐ Crimp ☐ Cuffs ☐ Crush ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ OTHER : ☐		Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐	
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Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation 110-Small Fab	188-FPSS-1032-1/2	1	100	0
	188-FSCS-1032-5/8	4	184	0
	600.1319	1	250	0
	C10-28	1	12	0
	EL-PLUG-F	1	38	0
	EL-PLUG-M	1	35	0
	EL616-ARTIC	1	0	0
	SWA10A-110	1	0	0
	SWA10A-1100	1	6	0
	SWA10A-1200	1	10	0
	SWA10A-1300	1	10	0
	SWA10A-1400	1	10	0
	SWA10A-1800	1	14	0
	SWA10A-210	1	0	0
	SWA10A-300	1	14	0
	SWA10A-400	1	0	0
	SWA10A-500	1	0	0
	SWA10A-600	1	16	0
	SWA10A-700A	2	0	0
	SWA6A-1900	8	88	0
	SWA6A-2000	4	100	0
	SWA6A-800C	1	0	0
	SWA6A-900D	1	0	0

Part Specifications

Specifications could not be found.

DQA: _____ Date: _____

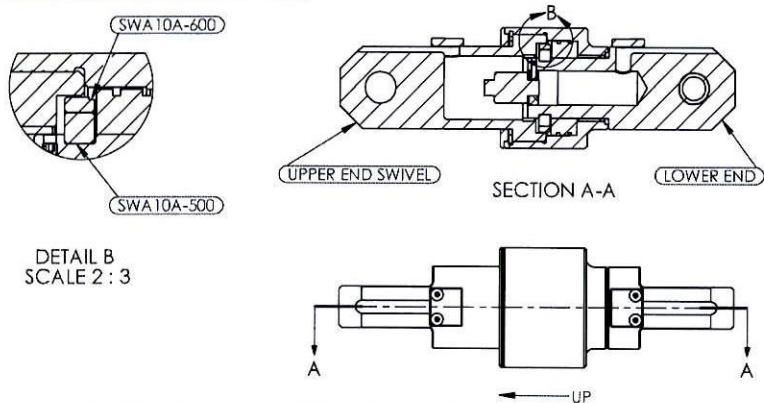
**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

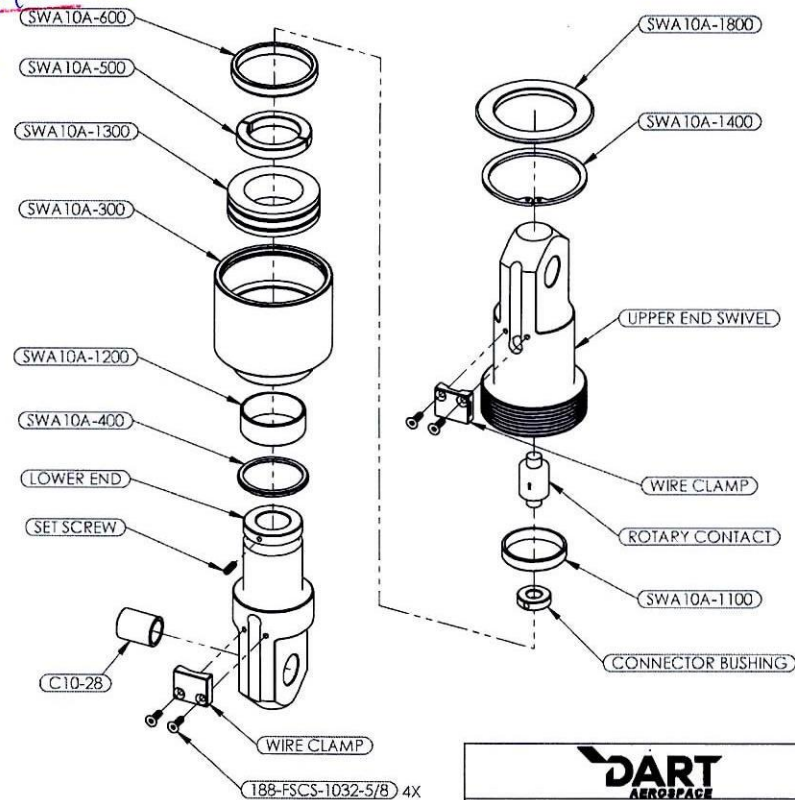
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SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 172745 ULS
18-02-21

REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		REPLACED ID DECAL 600.1318 WITH LASER ETCH	11/16/2012	JAG	
2	15-0146	UPDATED TO NEW DRAFTING STANDARDS. ADDED ENGRAVE NOTES AND DETAILS. SWA10A-1900 CHD QTY 5; ASSY-4 WAS 8 IS 4, ASSY-6 WAS 12 IS 8, ASSY-8 WAS 16 IS 12. SWA10A-2000 ADDED P/N: ASSY-4 QTY 4, ASSY-6 QTY 4, ASSY-8 QTY 4. 188-FPS-1032-3/8 ADDED P/N: ASSY-4 QTY 1, 188-FPS-1032-1/2 ADDED P/N: ASSY-4 QTY 1, 188-FPS-1032-5/8 CHD QTY 5, ASSY-6 WAS 1 IS 0, ASSY-8 WAS 1 IS 0. EL314-SJOW, EL414-ARTIC, EL614-ARTIC, EL814-ARTIC CHD QTY 5 WAS 6 IS 1, ADDED 6/10 TO B/O INFO. ADDED REBUILD ONLY NOTE	6/16/2015	DND	JAG
3	17-0090	ADDED NOTE 3, SHEET 1. CHD P/N WAS EL614-ARTIC (TRUCK & AUTO SUPPLY) IS #30806 (POLAR WIRE). ADDED P/N C10-28.	5/31/2017	RJC	JAG

-2/ QTY.	-3/ QTY.	-4/ QTY.	-5/ QTY.	-6/ QTY.	-7/ QTY.	B/O	Part #	Description	Material	B/O INFORMATION OR SPECIFICATIONS
1	1	1	1	1	1		SWA10A-100	LOWER END	SS 17-4 H1150/H1075	
1	1	1	1	1	1		SWA10A-110	LOWER END	SS 17-4 H1150/H1075	
1	1	1	1	1	1		SWA10A-200	UPPER END SWIVEL	SS 17-4 H1150/H1075	
1	1	1	1	1	1		SWA10A-210	UPPER END SWIVEL	SS 17-4 H1150/H1075	
1	1	1	1	1	1		SWA10A-300	BEARING HOUSING	SS 17-4 H1150/H1075	
1	1	1	1	1	1		SWA10A-400	THRUST WASHER	AL-BRONZE #30	
1	1	1	1	1	1		SWA10A-500	SEMI-PIVOTS	SS 17-4 H1150/H1075	
1	1	1	1	1	1		SWA10A-600	COLLAR	SS 17-4 H1150/H1075	
2	2	2	2	2	2		SWA10A-700	WIPE CLAMP	6061-T6	
1	1	1	1	1	1		SWA10A-700A	WIPE CLAMP	6061-T6	
1	1	1	1	1	1		SWA10A-800A	CONNECTOR BUSHING		
1	1	1	1	1	1		SWA10A-800B	CONNECTOR BUSHING		
1	1	1	1	1	1		SWA10A-800C	CONNECTOR BUSHING		
1	1	1	1	1	1	B/O	SWA10A-900A	ROTARY CONTACT	MERCOTAC #230	
1	1	1	1	1	1	B/O	SWA10A-900B	ROTARY CONTACT	MERCOTAC #230	
1	1	1	1	1	1	B/O	SWA10A-900C	ROTARY CONTACT	MERCOTAC #450	
1	1	1	1	1	1	B/O	SWA10A-900D	ROTARY CONTACT	MERCOTAC #630	
1	1	1	1	1	1	B/O	SWA10A-900E	ROTARY CONTACT	MERCOTAC #830	
1	1	1	1	1	1		SWA10A-1100	UPPER DU BEARING	BRONZE/OILITE TUBING	
1	1	1	1	1	1	B/O	SWA10A-1200	LOWER DU BEARING	(KAMAN MB5020DU)	
1	1	1	1	1	1	B/O	SWA10A-1300	ROLLER THRUST BEARING	(KAMAN R1210NI)	
1	1	1	1	1	1	B/O	SWA10A-1400	CIRCLIP	(KAMAN NS000.350 SFP)	
1	1	1	1	1	1		SWA10A-1800	COVER	SS 17-4 H1150/H1075	
4	4	4	4	4	4	B/O	SWA10A-1900	1/4 FEMALE SPADE CONNECTOR	(MCMMASTER-CARR #69525K16)	
1	1	1	1	1	1	B/O	SWA10A-2000	1/8 FEMALE SPADE CONNECTOR	(MCMMASTER-CARR #69525K14)	
4	4	4	4	4	4	B/O	188-FSCS-1032-5/8	FLAT SOCKET CAP SCREW	SS, 10-32 X 3/8 (MCMMASTER-CARR #92210A303)	
1	1	1	1	1	1	B/O	188-FPS-1032-3/8	SET SCREW	SS, 10-32 X 3/8 (MCMMASTER-CARR #94355A335)	
1	1	1	1	1	1	B/O	188-FPS-1032-1/2	SET SCREW	SS, 10-32 X 1/2 (MCMMASTER-CARR #94355A337)	
1	1	1	1	1	1	B/O	188-FPS-1032-5/8	SET SCREW	SS, 10-32 X 5/8 (MCMMASTER-CARR #92311A450)	
1	1	1	1	1	1	B/O	EL-PLUG-F	FEMALE PLUG	PE High Density (MCMMASTER-CARR #7216K6)	
1	1	1	1	1	1	B/O	EL-PLUG-M	MALE PLUG	PE High Density (MCMMASTER-CARR #7216K5)	
1	1	1	1	1	1	B/O	EL314-SJOW	3 WIRE	6 FT. (TEXCAN #EL314-SJOW 3/14)	
1	1	1	1	1	1	B/O	EL414-ARTIC	4 WIRE	6 FT. (TRUCK & AUTO SUPPLY #EL414-ARTIC 4/14)	
1	1	1	1	1	1	B/O	EL614-ARTIC	6 WIRE	6 FT. (TRUCK & AUTO SUPPLY #EL614-ARTIC)	
1	1	1	1	1	1	B/O	3PHOS	8 WIRE	6 FT. (POLAR WIRE #30806)	
1	1	1	1	1	1	B/O	600.1319	UP DECAL		
1	1	1	1	1	1		C10-28	BUSHING	SAE 660 BRONZE 3/4 21 SHAFT X 1.0 D. X 1-1/4 (MCMMASTER-CARR #63011193)	



NOTES:

- FOR REBUILD ONLY.
- ALL ASSEMBLY TO BE DONE IN ACCORDANCE WITH SWA SWIVEL MANUAL.
- 8 WIRE STRIP OUTER JACKET & DOUBLE LAYER HEAT SHRINK.

		TITLE	
		SWA 10A SWIVEL	
DWG NO.		REV 3	
MATERIAL		UNLESS OTHERWISE SPECIFIED	
FINISH		DIMENSIONS ARE IN INCHES	
SPEC		FRACTIONS ± 1/16	
		ANGLES ± 5°	
		SURFACES ± 125	
DRAWN BY: GILBERT		1. BREAK ALL SHARP EDGES	
CHECKED: DD 04/18/2017		2. DIMENSIONAL LIMITS APPLY	
DPPS APPR: AA 05/05/2017		3. INTERPRET DIM AND TOL PER	
QA APPR: JL 05/10/2017		ASME Y14.5M-2009	
APPROVED: JAG 06/02/2017		USED ON MODEL	
SCALE 1:4	DATE 11/14/2012	SHEET 1 OF 2	

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

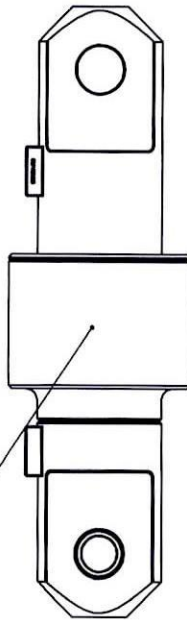
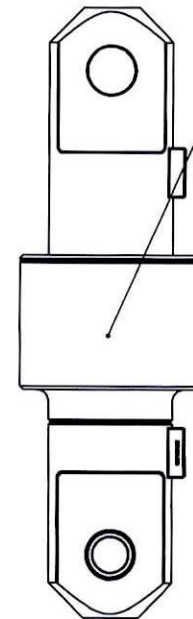
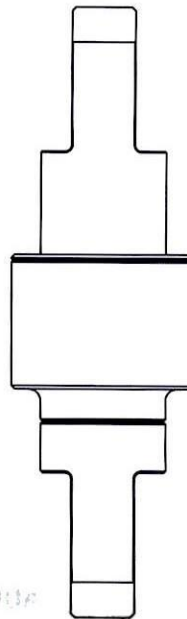
Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

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REVISIONS						
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED	



ENGRAVE P/N, S/N, SWL



LASER ENGRAVE DART LOGO

DART AEROSPACE	
TITLE SWA10A SWIVEL	
DWG NO. SWA10A	REV 3
MAT'L HEAT TREAT FINISH SPEC	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125/✓
DRAWN BY: GILBERT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: DD 04/18/2017	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: AA 05/05/2017	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: JL 05/10/2017	USED ON MODEL
APPROVED: JAG 06/02/2017	
SCALE 1:4	DATE 11/14/2012 SHEET 2 OF 2

DQA: _____ Date: _____

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QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

Work Order

172740

Customer

Number of Wires

6

Date

27/08/2018

Serial Number

5105317

Number of Cycles	Load (Lbs.)	Action	Pass/Fail
1	10,000	Check for Conductivity against all wires.	Pass
1	10,000	Check all wires for grounding against swivel body.	Pass
1	5,000	Check for Conductivity against all wires.	Pass
1	5,000	Check all wires for grounding against swivel body.	Pass
1	2,500	Check for Conductivity against all wires.	Pass
1	2,500	Check all wires for grounding against swivel body.	Pass
1	0	Check for Conductivity against all wires.	Pass
1	0	Check all wires for grounding against swivel body.	Pass

Test Conducted By:

Francis Lacroix.

Technician

Signature:

Sylvie Paucher
QC 5 Small FAB / QA**Submit**